ERRATA for 'Multivariable Feedback Design'
J.M.Maciejowski, (Addison-Wesley), 1989.
Compiled by J.M.Maciejowski on 13 February 1992.

The following are mistakes, misprints, etc of which I have become aware to date.

p.72 Exercise 2.8(a), (1,1) element of G(s) should have numerator s+5, not 2+5.

p.117 (3.137) is not true. It is true if A has the same structure as Δ. (Counterexample to (3.137), using Matlab notation: A=[0 1;1 0], B=[0 1;0 0], Delta=diag(delta1,delta2).) Thanks to Michael Fan for pointing this out.

p.124 2 lines before (3.166): 'Using our standard...', not 'Using out standard...'

p.132 Exercise 3.7(b): '...flow control valves...', not '...flow control values...'

p.133 Exercise 3.9(a) asks you to prove (3.137), among other things. This could be a bit tough, since it's not true (see p.117 above).

p.192 The compensation of the third column has a severe conditioning problem, so that different results are obtained by running the same code on various machines. I don't yet know the origin of this. There also appear to be some discrepancies between the text and the graphs for columns 1 and 2.

p.208 Figure 4.41: The left-most block should have a lower-case 'p' (denoting the (u,v) element of P).

p.260 Exactly half-way down the page a nonsensical sentence, beginning 'On the zero locations of ...' appears. Material has been omitted here. The sentence should read:
'On the other hand, the deterioration of stability margins can be predicted from the zero locations of A(s), and this can be allowed for when designing the return-ratio which is to be recovered.'

p.278 Figure 6.6: The block labelled '-H' should have '+H'. $\dot{\zeta}$ should appear at the input of the integrator, after the summing junction.

p.305 (6.207): The expression should have γ^{-2}, not γ^2.

p.309 (6.220): The (2,2) block of the matrix should be $D_2\tilde{D}$, not $B_1\tilde{D}$.

p.311 Figure 6.18: The caption should have '$\gamma = 10^6$', not '$\gamma = 10^{-6}$'.

p.383 3 lines from bottom of page: The first J(k,k+1,theta) should be transposed, the second should not. So the expression should be
$J(k,k+1,\theta)^T Q_0^H A Q_0 J(k,k+1,\theta)$.

p.384 In the program, line beginning 'T:=', the same mistake occurs as on p.383. The first J(...) should be transposed, the second one should not.

p.417 The index entry 'norm 1–215' should just be 'norm'. Then the sub-entry '1-norm 215' should appear on the next line.